

representations of a tilted ellipse on an oscilloscope are generated and observed. Then, the switch is closed, thereby connecting the calibration coil. Apparently, this generates another elliptical figure on the oscilloscope. According to Zuschlag, the degree of distortion of the resulting elliptical figure on the oscilloscope provides a measure of the strength of the auxiliary field of the calibration coil and thus, can be used to calibrate the apparatus. Even if the first operation, wherein the calibration coil 37 is disconnected, is understood to be a first measurement of a signal at an antenna, Zuschlag does not teach calculating a signal correction using an induced signal that is unaffected by the calibration coil 37. Instead, Zuschlag teaches closing a switch to put the calibration coil into effect and then, a second measurement is taken. This second measurement is taken with "effect associated with the test loop." Thus, Zuschlag does not teach or suggest at least one claimed element missing from Zhou, and the proposed combination fails to provide each and every element of the claimed invention.

Accordingly, dependent claim 24 recites subject matter that is patentable over the cited prior art references.

Independent claim 18 has been amended to incorporate the subject matter recited in dependent claim 24. Amended claim 18 is, therefore, patentable over the cited prior art references.

Claims 19-23 and 25-33 depend from claim 18, and are, therefore patentable over the cited references for the same reasons.

Independent claim 34 has been amended to incorporate the subject matter of dependent claim 39, which claim the Examiner has deemed to contain patentable subject matter. Accordingly, amended claim 34 is in condition for allowance. Each of dependent claims 35-38 and 40-43 depends from claim 34, and is, therefore, also patentable over the cited references.

In view of the foregoing, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

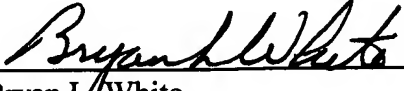
Submitted herewith is a Petition to Revive Unintentionally Abandoned Application under 37 CFR 1.137(b). The Commission is hereby authorized to charge the Petition fee of \$1,500.00 and any additional fees or credit any overpayments to Deposit Account No. 190610.

Appl. No. 10/616,710  
Reply to Office Action dated May 10, 2005

The undersigned is available for consultation at any time, if the Examiner believes such consultation may expedite the resolution of any issues.

Respectfully submitted,

Date: June 15, 2006

  
Bryan L. White  
Registration No. 45,211  
Schlumberger Technology Corporation  
Sugar Land Product Center  
IP Law and Contracts Dept.  
200 Gillingham Lane, MD-9  
Sugar Land, Texas 77478  
(281) 285-6493  
(281) 285-8221 Fax